What is claimed is:

1. A path searching circuit employed in a CDMA (Code Division Multiple Access) communication system comprising:

a weighing controlling section to monitor a change in a power level of a sample of each of two or more delay profiles to be used in same power adding processing in delay profile calculation for path search processes and to assign weight to a power level of a specified sample according to a result from the monitoring.

2. The path searching circuit according to Claim 1, wherein said weighing controlling section saves a sample whose power level exceeds a power threshold value as a candidate for weighing control.

3. The path searching circuit according to Claim 2, wherein said weighing controlling section, when a number of samples of a candidate for said weighing control is 1 (one), assigns negative weight to a power level of the sample.

4. The path searching circuit according to Claim 2, wherein said weighing controlling section, when a number of samples of said candidate for said weighing control is two or more and when a difference in power levels among specified samples is a change threshold value or more, assigns negative weight to power levels of the two or more samples.

5. The path searching circuit according to Claim 1, wherein

said weight assigned to said power level of said specified sample by said weighing controlling section is determined based on any one of a fixed value, a maximum power level, and an amount of a change in a power level.

6. The path searching circuit according to Claim 4, wherein, in comparison between said change threshold value and a difference in power levels among specified samples, when a number of samples of said candidate for said weighing control is 2 (two), a difference in power levels between the two samples is compared with said change threshold value and when a number of samples of said candidate for said weighing control is 3 (three) or more, a difference between a maximum power level and a minimum power level is compared with said change threshold value or a difference in power levels among samples of delay profiles existing before and after one another in terms of time is compared with said change threshold value.

7. A path searching circuit employed in a CDMA (Code Division Multiple Access) communication system comprising:

a weighing controlling means to monitor a change in a power level of a sample of each of two or more delay profiles to be used in same power adding processing in delay profile calculation for path search processes and to assign weight to a power level of a specified sample according to a result from the monitoring.

8. The path searching circuit according to Claim 7, wherein said weighing controlling means saves a sample whose power level exceeds a power threshold value as a candidate for weighing

control.

9. The path searching circuit according to Claim 8, wherein said weighing controlling means, when a number of samples of a candidate for said weighing control is 1 (one), assigns negative weight to a power level of the sample.

10. The path searching circuit according to Claim 8, wherein said weighing controlling means, when a number of samples of said candidate for said weighing control is two or more and when a difference in power levels among specified samples is a change threshold value or more, assigns negative weight to power levels of the two or more samples.

11. The path searching circuit according to Claim 8, wherein said weight assigned to said power level of said specified sample by said weighing controlling means is determined based on any one of a fixed value, a maximum power level, and an amount of a change in a power level.

12. The path searching circuit according to Claim 10, wherein, in comparison between said change threshold value and a difference in power levels among specified samples, when a number of samples of said candidate for said weighing control is 2 (two), a difference in power levels between the two samples is compared with said change threshold value and when a number of samples of said candidate for said weighing control is 3 (three) or more, a difference between a maximum power level and a minimum power level is compared with said change threshold value or a difference

in power levels among samples of delay profiles existing before and after one another in terms of time is compared with said change threshold value.

13. A path searching method employed in a CDMA (Code Division Multiple Access) communication system comprising:

a weighing controlling step of monitoring a change in a power level of a sample of each of two or more delay profiles to be used in same power adding processing in delay profile calculation for path search processes and of assigning weight to a power level of a specified sample according to a result from the monitoring.

14. The path searching method according to Claim 13, wherein, in said weighing controlling step, a sample whose power level exceeds a power threshold is saved as a candidate for weighing control.

15. The path searching method according to Claim 14, wherein, in said weighing controlling step, when a number of samples of a candidate for said weighing control is 1 (one), negative weight is assigned to a power level of the sample.

16. The path searching method according to Claim 14, wherein, in said weighing controlling step, when a number of samples of said candidate for said weighing control is two or more and when a difference in power levels among specified samples is a change threshold value or more, negative weight is assigned to power levels of the two or more samples.

17. The path searching method according to Claim 13, wherein said weight assigned to said power level of said specified sample in said weighing controlling step is determined based on any one of a fixed value, a maximum power level, and an amount of a change in a power level.

18. The path searching method according to Claim 16, wherein, in comparison between said change threshold value and a difference in power levels among specified samples, when a number of samples of said candidate for said weighing control is 2 (two), a difference in power levels between the two samples is compared with said change threshold value and when a number of samples of said candidate for said weighing control is 3 (three) or more, a difference between a maximum power level and a minimum power level is compared with said change threshold value or a difference in power levels among samples of delay profiles existing before and after one another in terms of time is compared with said change threshold value.

19. A path searching program for having a computer execute a path searching method employed in a CDMA (Code Division Multiple Access) communication system comprising:

a weighing controlling step of monitoring a change in a power level of a sample of each of two or more delay profiles to be used in same power adding processing in delay profile calculation for path search processes and of assigning weight to a power level of a specified sample according to a result from the monitoring.

20. The path searching program according to Claim 19, wherein, in said weighing controlling step, a sample in which its power level exceeds a power threshold is saved as a candidate for weighing control.

21. The path searching program according to Claim 20, wherein, in said weighing controlling step, when a number of samples of a candidate for said weighing control is 1 (one), negative weight is assigned to a power level of the sample.

22. The path searching program according to Claim 20, wherein, in said weighing controlling step, when a number of samples of said candidate for said weighing control is two or more and when a difference in power levels among specified samples is a change threshold value or more, negative weight is assigned to power levels of the two or more samples.

23. The path searching program according to Claim 19, wherein said weight assigned to said power level of said specified sample in said weighing controlling step is determined based on any one of a fixed value, a maximum power level, and an amount of a change in a power level.

24. The path searching program according to Claim 22, wherein, in comparison between said change threshold value and a difference in power levels among specified samples, when a number of samples of said candidate for said weighing control is 2 (two), a difference in power levels between the two samples is compared with said change threshold value and when a number of samples of

said candidate for said weighing control is 3 (three) or more, a difference between a maximum power level and a minimum power level is compared with said change threshold value or a power level difference among samples of delay profiles existing before and after one another in terms of time is compared with said change threshold value.